

FLOW & IN A SPHERICAL BASIC OXYGEN LD FURNACE,
BY H. HASHIMOTO, Y. NIGANO.

JAPANESE, PER, TETSU TO HAGANE, VOL XLV, NO 3,
1959, PP 248, 249.

HB 5620

SCI - ENGR
OCT 62

212,091

Treatment of Some Melts With Low Ultra-
sonic Energy, by Y. Nagano, K. H. Nakai.

JAPANESE, per, Tetsu To Hagane,
Vol XLVI, No 10, 1960, pp 1209-22 1211.

HB 5217

Sci - Electron
Dec 61

175,003

* A Measurement of Neutron Slowing-Down Area
in Light Water, by T. ~~Maganuma~~, S. Ogura, M.
Shimizu, H. Aisu, T. Kondo, 9 pp.

JAPANESE.

ARC Tr-4382

Sci - Phys
Apr 61

149,067

A Measurement of Neutron Slowing-Down Area in
a Light Water, by T. Naganuma, S. Oguro, M.
Shimizu, H. Aisu, T. Konds,

JAPANESE.

*AEC

Sci - Phys
8 Mar 61
List 50

On the Measurement of Exhaust Gas Density, by
Mr F. Nagao, K. Tanabe.

JAPANESE, Lecture Delivered at the 94th Meeting
of the Japanese Institute of Mechanical
Engineering Kwansai Branch 16th March 1939.

NLL M. 3626

Sci - Engr

Aug 62

207,167

Fuel Injection and Combustion in the
Swirl Chamber of a Diesel Engine, by F. Nagao,
H. Kakimoto.

GERMAN, par, Motortechnische Z., 1959,
Kpp ~~303-305~~ 303-305.

CSIRO

207,603

Sci - Engr
Jul 62

Thermal Decomposition of Polyacrylonitrile
(Production of Hydrocyanic Acid), by Hideo
Egao, Mariya Uchida, Koyu Yamaguchi,
8 pp.

JAPANESE, per, Kogyo Kagaku Zasshi,
Vol XLIX, No 6, 1956, pp 698-700.

SLA 60-18460

Sci
Vol IV, No 11
Jun 62

199, 240

Effects of Added Reagents on the Aqueous Polymeri-
zation of Acrylonitrile. Study With An Electron
Microscope, by H. Nagao, M. Uchida.

JAPANESE, per, J Chem Soc Japan, Ind Chem Sect,
Vol LXI, No 4, 1958, pp 466-469.

Assoc Tech Serv JJ-1464
5 " " " 59K24J

Sci - Chem

Apr 59

85,599

NAGATA, Tatsuo
NAGAO, Ippel

The Effect of various fractions of Typhoid Bacillus
filtrate upon the Yoshida sarcoma. 6-Pages.

Japanese, Cann, XL, Nos. 2,3,4.
1949, 142-144

K-540

Translated at the
National Institutes of Health
Bethesda, Md.

A8294

Observation of Generation and Decay of Supersonic
Wave Cavitation, by Junichi Saneyoshi, Motoyoshi
Okuchima, Nagao Tajiri, 2 pp. UNCLASSIFIED

JAPANESE, rpt, Nihon Onkyo Gakkaï Koen Ron-
bunshu, May 1960.

Navy 2500/MRL 786

Sci - Physics
May 60

CIA/TID X-4095

116,217

Contribution to Improved Combustion in Ante-
Chamber Diesel Engines, by F. Megas,
Kakimoto.

GERMAN, per, Motortechnische Z., Vol XVIII,
1957, pp 301-306.

CSIRO

Sci - Engr
May 62

196, 615

Report of the Fur Seal Investigation in 1953, by
F. Nagasaki.

JAPANESE, rpt, Report of the Fur Seal Investigation
in 1953, No 2, 1953, pp 157-159.

Fisheries Res Board of Canada
Biol Station
Nanaimo B.C.

Sci

Feb 64

Siliconizing of Brass with Silicon Tetra-
chloride and H_2 , by K. Nagasaki.
JAPANESE, per, J. Japan Inst. Metals, 24
1960, pp. 28-32.
•NBS TT 70-57991

Sci/mater
Aug 70

K. Nagasaki

Methods of Measuring Specific Heat at High Temperatures,
by Seizo Nagasaki, Yutaka Takagi, 10 pp.

JAPANESE, per, Journal of Applied Physics of Japan,
Vol XVII, 1948, pp 104-109. 9095274

AEC SCL-T-378

Sci - Phys
Jan 62

178,962

61-10004

Nagasako, Noboru and Miyazaki, Shozo.
ON DECOMPOSITION BY TUNGSTEN. Rept. 1 of
Studies on the Catalytic Decomposition of Ammonia
Gas. [1960] 7p. 4 refs.
Order from SLA ml\$1.80, ph\$1.80 61-10004

Trans. of [Nihon] Kagaku Zasshi (Japan) 1949, v. 70,
no. 4, p. 134-136.

Decomposition reactions at 700° to 770°C for an initial
gas pressure range of 100 to 200 mm Hg showed that
the velocity is expressed most aptly by the equation of
C. N. Kunsman and E. S. Lamar (Phil. Mag. 7 10:
1015, 1930):

$$\frac{1}{v} = \frac{1}{\alpha(T)} + \frac{g(T)}{\alpha(T)} \left(\frac{P_{H_2} \sqrt{M_{NH_3}}}{P_{NH_3} \sqrt{M_{H_2}}} \right)^{1/2}$$

(See also 61-10002)

(Chemistry--Physical, TT, v. 5, no. 2)

1. Ammonia--Decomposition
2. Tungsten--Catalytic properties
- I. Nagasako, N.
- II. Miyazaki, S.
- III. Title: Studies...

Office of Technical Services

Studies on Uranium-Molybdenum Alloy, by Masayuki
Kawasaki, Ryukichi Nagasaki, Motoo Itagaki,
Tatsuya Takemura,

JAPANESE, per, J Atomic Energy Soc Japan, Vol II,
1960, pp 136-140.

ABC Tr-4468

Sci - Min/Met
May 61

150,868

~~HEXKTH~~ Construction Work of Ise-Wan Beacon Light,
by Sakuji Nagasaki.

JAPANESE, per, Doboku-Gakkai-Shi, Vol XLVI, No 3,
1961, pp 5-10.

HEOL, Ft Belvoir T-1579

Sci - Engr
May 62

195, 951

Joint Toxic Action of Mixtures of Malathion
with Dimethoate and Dibrom on Adults of the
Common House Fly, *Musca Domestica* Vicina, by
S. Nagasawa, Y. Tsuruoka.

JAPANESE, per, Botyu Kagaku, Vol XXVII, No 3, 1962,
pp 78-81.

GB/52

Sci-Biol
July 63

236,310

The Damage of Salmon Eggs and Fry by Predaceous
Fishes, by Toyosuke Nikita, Ariaki Naganawa.

JAPANESE, per, Scientific Reports Hokkaido Salmon
Hatchery, No 15, 1961, pp 69-83.

Biological Lab
Bur of Commerical Fisheries
Seattle, Washington

Sci Biol

188, 324

Mar 62

Organic Phosphorus Insecticide Composition,
by Masao Nagasawa, Takeo Tsuboi, Kan.
Shinohara, 8pp.
JAPANESE, Patent 6199/1963, cl. 30-F-372
appl. no. 178/1961, 6 Jan 61, pub. 16 May
63, by Ihara Kogyaku Co., Ltd.
CPSTI SA Code-P-312

Masao Nagasawa
323,194

Sci - Chemistry
Apr 67

Nagasawa, Masao, Yamamoto, Fukutaro, and
Imamiya, Yoji.
AGRICULTURAL FUNGICIDES OF ARSENIC-CON-
TAINING ETHYLENE-BIS-DITHIO-CARBAMATE
SERIES. Feb 64, 10p
Order from SA \$22.00 SA Code-P-235

Trans. of published Japanese patent 7750/1959,
cl. 30-F-37 (30-F-91) appl. 9086/1956, 5 Apr 56,
pub. 3 Sep 59, by Iorihara Agricultural Chemicals
Co., Ltd. (Abstract available)

DESCRIPTORS: *Fungicides, *Arsenic compounds,
*Carbamates, Sulfur compounds, Ethylenes,
Preparation.

The invention relates to agricultural fungicides having
the purposes described in the specification, charac-
terized by having one kind or two or more kinds of
organic arsenic compounds as effective components
(Chemistry--Organic, TT, v. 11, no. 9) (over)

TT-64-12547

1. Title: Ethylene-bis-
dithiocarbamic acid
arsenic derivatives

- I. Nagasawa, M.
- II. Yamamoto, F.
- III. Imamiya, Y.
- IV. Patent (Japan)
pub. 34-7750
- V. SA-Code-P-235
- VI. Seizaburo Aoki,
Fujisawa (Japan)

Office of Technical Services

Nagasawa, Masatoshi and Taguchi, Taeko.
SHIKIMIC ACID IN FLUE-CURED TOBACCO LEAF.
[1961] 6p. 12 refs.
Order from SLA \$1.20

61-20231

Trans. of [Nihon Seisai Kosha Chuo Kenkyusho
Kenkyu Hokoku] (Japan) 1958, no. 99, p. 8-9.

DESCRIPTORS: *Tobacco, *Plants, *Shikimic acid.

The occurrence of shikimic acid in flue-cured tobacco leaf was confirmed by the results of the qualitative tests. The spectrophotometric analysis indicated its concentration to be approximately 16 mg. per 100 g. of dry material. The experimental results support the view that shikimic acid is an intermediate compound in the formation of chlorogenic acid during flue-curing of tobacco leaf. (Author)

(Agriculture--Plant Cultivation, TT, v. 7, no. 9)

61-20231

I. Nagasawa, M.
II. Taguchi, T.

206055

Office of Technical Services

Nagasawa, S. and Funakubo, M.
MICROANALYSIS OF LEAD, ESPECIALLY TETRA-
ETHYL LEAD, IN AIR. [1963] 5p (figs omitted) lref
Order from SLA \$1.10 TT-63-18950

Trans. of [Nihon Kagaku Zasshi] (Japan) 1948, v. 69,
p. 16-17.

DESCRIPTORS: *Lead, Microanalysis, *Ethyl radicals,
*Lead compounds, Air, Chemical analysis,

(Chemistry--Analytical, TT, v. 11, no. 5)

TT-63-18950

1. Title: Tetraethyl lead
- I. Nagasawa, S.
- II. Funakubo, M.

Office of Technical Services

(FDD 20885)

Dielectric Properties of Oxides of Rare Metals, by
Shigeyuki Nagasawa, 8 pp.

JAPANESE, per, Denki Kagaku, Vol XVIII, Jan 1950.

CIA/FDD/U-6115

FE - Japan

L.L.A. 433/1955

Sci - Physics

Jul 54 CTS

17,236

The Theory of Film Electro-Potential Differences of
High Molecular Films, (Part 2) The Relation Between
the Transfer Rate and Concentration, by M. Nagasawa,
7 pp.

JAPANESE, per, Chem Soc of Japan, Vol LXX, No 3,
pp 45-47.

S.L.A. Tr 504/56

Sci - Chemistry

36,984

Aug 1956

Compaction of Snow by Static and Kinetic Loads,
by Makoto Nagasawa, 8 pp.

JAPANESE, per, Seppyo, Vol V, 1943, pp 249-256.
CIA D 301883

SLA Tr 20 12
OCE Tr 35

Am Met Soc X-57SIPRE

Scientific - Geophysics
Engineering

31,169
Feb 56 CTS/DEX

Studies on the "Browning" of Canned Crab Meat, 61
by Y. Nagasawa.

JAPANESE, per, Memoirs of the Faculty of
Hokkaido University, Vol VIII, No 2, Dec
1960.

Dept of Interior
Fish and Wildlife Service
ACF, Bureau of Foreign Fisheries

Y. NAGASAWA

Sci-
Aug 67

338,672

Nagase, K. and Sakaguchi, K.
ADDITION REACTION OF ETHYLENE OXIDE TO
LAURIC ACID. [1962] [18 p. 14 refs.
Order from SLA \$1.60] 62-14288

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64
[no. 6] p. 1035-1040.

DESCRIPTORS: *Ethylene oxide, Additives, Chemical
reactions, *Fatty acids, Catalysts, Laurates.

Sodium metal was used as the catalyst in the reaction
of ethylene oxide at atmospheric pressure by the
bubbling method, and under pressure in measuring the
rate of addition. The product analyses were done
after extracting the product with ether and determining
the acid value, saponification value and hydroxyl value
of the extract. In both cases the addition curve shows
an inflection point when the average number of moles,
v, of ethylene oxide is one. But the products show dif-
(Chemistry--Physical, TT, v. 8, no. 4) (over)

62-14288

I. Nagase, K.
II. Sakaguchi, K.

0224036

Office of Technical Services

Nagase, K. and Sakaguchi, K.
ETHYLENE OXIDE ADDITION REACTIONS TO
LAURYL AMINE. [1962] 16 p. 11 refs.
Order from SLA \$1.60 62-14289

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64
[no. 6] p. 1031-1034.

DESCRIPTORS: *Ethylene oxide, Catalysts, Chemical
reactions, *Amines, Additives, Polymerization.

The addition of ethylene oxide to lauryl amine can be
divided into two reaction types depending on the kind
of catalyst used. One is the acid catalized reaction
(A.C. type), and the other is the base catalized reac-
tion (B.C. type). When the average number of moles,
 $\bar{v}$, of ethylene oxide is less than two, both reactions
can be clearly classified into these two types. These
reactions were studied in order to investigate the re-
action mechanism by examining the relationship of the
(Chemistry--Physical, TT, v. 8, no. 3) (over)

62-14289

I. Nagase, K.
II. Sakaguchi, K.

212012

Office of Technical Services

K. NAGASE

Studies of Addition Reaction of Ethylene Oxide.
Part VII. By-Products in Addition Reaction of
Ethylene Oxide, by K. Nagase
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, 1961,
pp 1199-1203
NTC 71-15514-07C

feb 72

Nagase, K. and Sakaguchi, K.
ADDITION REACTIONS OF ETHYLENE OXIDE
UNDER PRESSURE. [1962] [15]p. 7 refs.
Order from SLA \$1.60 62-14287

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64
[no. 6] p. 1043-1047.

DESCRIPTORS: *Ethylene oxide, Additives, Chemical
reactions, Pressure, Temperature, Catalysts,
Polymerization, Solubility.

Ethylene oxide was added to lauryl alcohol and nonyl
phenol under pressure (gauge pressure 1.5, 5.0 and
10.0 kg/cm²) at temperatures 100°, 125°, 150° and
175°C and catalyst concentration 0.25 to 2.0 mole
percent. The addition reaction curves, the rates and
the distribution of the degree of polymerization were
investigated. The addition curve is a straight line
corresponding to the reaction time in the case of
(Chemistry--Physical, TT, v. 8, no. 3) (over)

62-14287

I. Nagase, K.
II. Sakaguchi, K.

212011

Office of Technical Services

Evaporation From Pb (Ti, Zr,)O₂ Compositions on
Firing, by Kaneomi NAGASE, Toyoharu NISHI, 23 pp.
JAPANESE, rpt, National Technical Report, Vol 10,
No 2, 1964, pp 163-169. Matsushita Electrical
Industrial Co. F01351167
ADC UCL Tr-1349

109

Kaneomi NAGASE

336,881

Sci. - Nuclear Science
Aug 67

Separation of Polyethylene glycol from the
Nonionic (Surface) Active Agent by the Method
of Counter-Current Distribution Extraction,
by Kinshiko Nagase, Kahei Sakaguchi, 11 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXIV,
I No 4, 1961, pp 635-638.

I SLA 61-20681

Sci
Mar 62
Vol VII, No 3

188, 095

61-10682

Nagase, Kunihiko and Sakaguchi, Kahei.
(DISTRIBUTION) OF PRODUCTS OF ADDITION OF
ETHYLENE OXIDE TO LAURYL ALCOHOL AND
NONYLPHENOL. [1961] [22]p. (7 figs. omitted)
16 refs.

Order from SLA \$2.60

61-10682

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 4, p. 588-592.

DESCRIPTORS: *Ethylene oxide, *Alcohols, *Phenols,
Nonyl radicals, Chemical reactions, Statistical
distributions.

I. Nagase, K.
II. Sakaguchi, K.

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 1)

Nagase, Shunji.

FLUORINATION OF MALEIC ANHYDRIDE BY
FLUORINE GAS. [1962] 6p. (2 figs. 2 tables
9 Japanese refs. 1 formula omitted) 2 refs.
Order from SLA \$1.10

62-16185

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 8, p. 1400-1403.

DESCRIPTORS: *Maleic anhydride, Fluorination,
*Fluorine, Gases, Jets, Towers (Chemistry).

In the direct fluorination of maleic anhydride with
fluorine by means of an improved jet reactor, per-
fluoropropionyl fluoride was obtained at a fairly high
yield rate through successive operations of the re-
actor. This suggests a new method of perfluoro-
propionyl fluoride production. It became apparent
that the use of said reactor makes maleic anhydride
(Chemistry--Organic, TT, v. 8, no. 9) (over)

62-16185

1. Nagase, S.

C225968

Office of Technical Services

62-16190

Nagase, S[hunji], Baba, H., and Kojima, R.
PREPARATION OF PERFLUORO CARBOXYLIC
ACIDS BY ELECTROCHEMICAL FLUORINATION OF
UNSATURATED COMPOUNDS. [1962] 8p. (8 tables,
6 refs. omitted) 2 refs.
Order from SLA \$1.10

62-16190

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
no. 1, p. 38-[41].

DESCRIPTORS: *Carboxylic acids, Acids, *Fluorides,
Synthesis, Electrochemistry, Fluorination, Alcohols,
Esters, Ketones.

Perfluoro carboxylic acids have been obtained by elec-
trochemical fluorination of unsaturated compounds in-
cluding alcohols, esters, and ketones. Good yields of
perfluoro carboxylic acids have been obtained from
esters of unsaturated carboxylic acids just as from
saturated esters. Ethyl acrylate, butyl acrylate, and
(Chemistry--Physical, TT, v. 8, no. 9) (over)

I. Nagase, S.
II. Baba, H.
III. Kojima, R.

C225969

Office of Technical Services

62-14642

Nagase, Shunji, Baba, Hajime, and Kojima, Rimpel.
PREPARATION OF PERFLUOROCARBOXYLIC ACID
FROM KETONES BY ELECTROCHEMICAL
FLUORINATION. [1962] 8p. (5 tables omitted) 10 refs.
Order from SLA \$1.10 62-14642
Original copy poor quality; available on loan also

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1961, v. 64,
no. 12, p. 2126-2128.

DESCRIPTORS: *Electrochemistry, Fluorination,
*Carboxylic acids, *Fluorides, Synthesis, *Ketones.

The yield of perfluorocarboxylic acid obtained from
ketones by the electrochemical fluorination was
excellent. Trifluoroethanoic acids are obtained from
acetone, acetyl acetone and ethyl acetoacetate. The
mixture of trifluoroethanoic and perfluoropropionic
acid were obtained from methyl ethyl ketone and
diethyl ketone. The mixture of perfluoropropionic
(Chemistry--Physica, TT, v. 8, no. 9) (over).

I. Nagase, S.
II. Baba, H.
III. Kojima, R.

C225928

Office of Technical Services

Nagase, T. and Kozima, L.
PREPARATION OF PERFLUOROCARBOXYLIC ACIDS
BY ELECTROCHEMICAL FLUORINATION ALCOHOLS.
[1962] 10p. (2 figs. 2 tables 11 refs. omitted).
Order from SLA \$1.10

62-14874

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
[no. 8] p. 1397-1400.

DESCRIPTORS: *Carboxylic acids, Acetic acids,
Propionic acids, Fluorides, Preparation, *Electro-
chemistry, *Alcohols, Ethanols, Propanols, Butanols,
*Fluorination.

Relatively high yields of perfluorocarboxylic acids have
been obtained by electrochemical fluorination of alcohols.
About 30 g. of ethyl alcohol, n-propyl alcohol, isopropyl
alcohol, or n-butyl alcohol was dissolved in 1 l. of
anhydrous hydrogen fluoride, and electrolyzed at various
(Chemistry--Organic, TT, v. 9, no. 4) (over)

62-14874

I. Nagase, T.
II. Kozima, L.

C227656

Office of Technical Services

Nagashima, Masao, Hide, Ita, Muroyama, Tsutomu,
and Watanabe, Susumu.

NEW RESIN COMPOSITE WITH GOOD HARDENING
PROPERTY. [1963] 10p

Order from OTS or SLA \$1.10

63-18906

Trans. of published Japanese patent 37 Showa (1962) -
2987 [cl.] 25 H 72 (26 C 111) announced 30 May 62,
appl. no. 34 Showa (1959) - 24730, appl. 4 Aug 59, by
Sumitomo Bakelite Co., Ltd.

DESCRIPTORS: *Amino plastics, *Thermosetting
plastics, *Epoxy plastics, Hardening, Addition
reactions

(Materials--Plastics, TT, v. 10, no. 10)

63-18906

- I. Nagashima, M.
- II. Hide, I.
- III. Muroyama, T.
- IV. Watanabe, S.
- V. Patent (Japan) pub.
37-2987

1252540

Office of Technical Services

Nagashima, S.
ELECTROPHOTOENGRAVING METHODS. PT. III.
PHOTOENGRAVING BY ORIFAX (III). [1963] 7p
Order from ATS \$8.85 ATS-66Q72

Trans. of Nihon Kasei Gakai Ronbunshu (Japan)
1963, v. 6, no. 11, p. 74-78.

DESCRIPTORS: *Photoengraving, Lithography,
Electrophotography.

(Materials--Photographic, TT, v. 11, no. 7)

TT-64-12192

I. Nagashima, S.
II. Title: Photoengraving...
III. ATS-66Q72
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

73469

Office of Technical Services

Plastic Strain Ratio of Single Crystals of
Low Carbon Steel, by S. Nagashima.
JAPANESE, per, Nippon Kinzoku, Vol. 27, No. 10
1963, pp 481-485.
GB/41/4041-200/

S. NAGASHIMA

Sci -
Aug 67

335-607

Molecular Orientation and Lubrication Power of
Aromatic Compounds, by Nagata, Y. Tomoda.

JAPANESE, per, J. Oye Butsuri, Vol XXI, 1952,
pp 403-408.

INSIDOC T 1727

Sci
Apr 59

84,454

Nagata, Akira; Nemoto, Yoshio, and Kimura, Wasaburo.

APPLICATION OF AMPHOTERIC SURFACE ACTIVE AGENTS IN TEXTILE INDUSTRY. PT. IV. MEASUREMENT OF THE DRAWING FRICTIONAL COEFFICIENT OF SYNTHETIC FIBERS TREATED WITH AMPHOTERIC SURFACE ACTIVE AGENTS.

[1962] 12p. 17 refs.

Order from SLA \$1.60

63-10323

Trans. of Yukagaku (Japan) 1962, v. 11, p. 24-28.

DESCRIPTORS: *Fibers (Synthetic), *Acrylonitriles, *Surface-active substances, Friction, Textiles, Processing.

It was observed that amphotericics were effective as antistatic agents and softeners without affecting dyeing. To investigate the adaptability of ampholytics as (Materials--Textiles, TT, v. 10, no. 2) (over)

63-10323

I. Title: Spinning

I. Nagata, A.

II. Nemoto, Y.

III. Kimura, W.

IV. Title: Measurement ...

Office of Technical Services

Nagata, Kunichi and Kato, Yasuo.

SOME RESULTS OF AN EXPERIMENTAL PITCH
DETECTOR. [1962] 5p. 1 ref.

Order from SLA \$1.10

62-18083

Trans. of [Nihon Onkyo Gakkaishi] (Japan) 1960, v. 16,
no. 4, p. 277-279.

DESCRIPTORS: *Acoustic detectors, *Pitch discrimi-
nation, Noise analyzers, *Auditory signals, Sound,
Wave characteristics.

An instrument has been developed as a part of a
formantvocoder for smoothly detecting wide-range
voice pitch frequencies. Speech signals from a con-
ventional telephone are cross-modulated, low-passed,
frequency-inverted, and frequency-analyzed. Analyzed
signals are discriminated separately, and their DC
output voltages are compared in a simple diode added
in order to select the most significant voltage which
(Physics--Acoustics, TT, v. 8, no. 9) (over)

62-18083

I. Nagata, K.
II. Kato, Y.

0226077

Office of Technical Services

Behavior of Hydrogen in Basic Arc Furnace Steel Bath
During Oxidizing Stage, by S. Magata, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 9, 1959,
pp 966-967.

HB 5117

Sci

Sep 61

170, 126

A Study of Mixing of Highly Viscous Liquids, by S.
Kagata, M. Yangimoto, T. Yokoyama, 14 pp.

JAPANESE, per, Kagaku Kagaku, Vol XXI, No 5, 1957,
pp 278-286.

Asso Tech Serv
32K28J

Sci - Phys
OTS I, 9
Jun 59

ATS-55-1954

89,536

Method of Measuring Power Consumption of Stirrers,
by S. Nagata, T. Yokoyama, 11 pp.

JAPANESE, per, Chem Eng (Japan), Vol XX, 1956,
pp 272-279.

Assoc Tech Sv 52H12J

Sci
Aug 58

PTS-
55-1952

70,763

NAGATA, Tatsuo
NAGAO, Ippei

The Effect of various fractions of Typhoid Bacillus
filtrate upon the Yoshida sarcoma. 6-Pages.

Japanese, Gann, XL, Nos. 2,3,4.
1949, 142-144

X-540

A. 8294

Translated at the
National Institutes of Health
Bethesda, Md.

NAGATA, Tatsuro

Inhibiting Effects of Various Bacterial Filtrates
on the Rat Ascites Sarcoma. (Yoshida Sarcoma) 10-Pages

Japanese, Gann, XXXIX, Nos. 2,3,4.
1948, 118

X-543

Translated at the
National Institutes of Health
Bethesda, Md.

A. 8295

On the Prevention of Cracks on Low-Carbon Rimmed
Slabs for a Strip Mill, by T. Tsuchimoto, Y. Nagata,

JAPANESE, per, Tetsu to Hagane, Vol XLVI, 1960,
pp 1879-1881.

11251 2779

Sci -
FM - Japan
Ingr
Apr 63

229,467

(FDD 20592)

Research of Bovine Influenza Prevailing in 1949 (1),
by Y. Nagata, 11 pp.

JAPANESE, no per, Nihon Jishiki Zasshi. Vol II, No 12
Tokyo, Dec 1949, pp 356-367.

CIA/FDD/U-5887

FE - Japan

Sci - Med, vet.

13,108

Ranchuang Coal Mine Investigation Report by
Ryusei Ikebe, Yaei Takano, Seiji Fukuji,
Yoichi Nagata, 27 pp.

Despatch TCUSFOD-145
JAPANESE, Taipei, 3 Dec 1953.

FOA

FE - Taiwan

Economic - Coal

CIA 2104225

Dec 53 CTS/LEX

8429

Electron Probe Microanalyzer, ~~7~~ by Yoneichiro
Sakaki, Takashi Nagatani, 28 pp.

JAPANESE, par, Journal of Electronmicroscopy,
Vol X, No 2, 1961, pp 65-76.

ABC BCL-T-430

Sci - Electronics
Sep 62

210, 929

Synthesis and Hydrogenation of 2,4,7,9-Tetramethyl-
decine-5-tetraol-2,4,7,9, by A. I. Nagaideli, K. Ya.
Dzagnidze, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 2,
1955, pp 304-306. CIA D 151348

Consultants Bureau

Scientific - Chemistry

25,400

Nagashima, S. and Goto, K.
ELECTROPHOTOGRAPHIC ENGRAVING METHOD.
[1961] 12p.
Order from ATS \$17.85 ATS-58N57]

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 32-38.

DESCRIPTORS: *Electrophotography, Photography,
*Photoengraving.

(Materials--Photographic, TT, v. 7, no. 5)

62-12365

- I. Nagashima, S.
- II. Goto, K.
- III. ATS-58N57]
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

195014

Office of Technical Services

(NY-3000)

IMPROVING RELIABILITY AND LIFE OF THERMAL-
POWER INSTRUMENTS, BY A. NAGATKIN, 6 PP.

RUSSIAN, PER, NAUCH-TEKH OBSHCH, NO 11,
1961, PP 14-16.

JPRS 13936

USSR
ECON
SCI - ENGR

197,465

Activators in Chlorine Bleaching, by I. G.
Nagatkin.

RUSSIAN, per, Tekstil Prom, No 3, 1952, pp
31-32; No 12, pp 23-24.

INSDOC-T2145

Sci - Chem

Jun 59

89,561

A Simplified Method of Photographic Documentation
in Microbiology, by I. G. Nagatkin and M. M.
Prisklikov, 1 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXIX, No 5, 1958, pp 61-63

Pergamon Inst

Sci - Med

Feb 59

81,075

Passive Transfer of Immunity to Tuberculosis by
Means of Cells From BCG Vaccinated Mice. Pt.2,
Effects of Various Treatments of Cells to be
Transferred, by G.Arita and H.Nagatomi.
JAPANESE, per, Kobun, Vol.39, pp.95-99, 1964.
SLA-77-66-11594

Aug 66

H. Nagatomi

309,328

Apparatus for the Vulcanization of Rubber
Tires by an Internal Expansion System,
by S. Hagawata (inventor), 4 pp.

JAPANESE, patent application 580-1950, date
of application 12/25/48, published 2/24/50.

Assoc Tech Serv

Sci
Aug 58

76, 811

Electrochemical Study of Corrosion Phenomena.
Part 4. On the Passivation Mechanism of Iron in
Chromate Solutions, by Go Okamoto, Yukio Mitani,
Hassaiichi Nagayama.

JAPANESE, per, Denki Kagaku, Vol XXIV, 1956,
pp 69-74.

Navy 3010/ERL 876

Sci - Chem, Phys

180,700

Feb 62

Separating Bulk Copper-Lead Zinc Pyritic Concentrates
Containing Secondary Copper Sulfides and Oxidized
Copper, by V. A. Nagevko, 3 pp.

RUSSIAN, per, Tsvetnyye Metally, Vol II, No 3,
1961, pp 1-3.

~~XXXX~~ Primary Sources

Sci
11 Jun 62

193,684

Proprietes magnetiques de la couche d'Atomes
Adsorbés, by E. L. Nagayev, 13 pp.

RUSSIAN to FRENCH, per, Kinetika i Kataliz,
Vol II, No 6, 1961, pp 847-853. 9068245

CEA R-1637
Reverse Translation

Sci
Nov 62

The Theory of Chemisorption on Polar Crystals
By E. L. Magaev, pp. 7

RUSSIAN, ger, Kinetika i Kataliz, Vol III,
No 6, 1968, pp. 907 - 914

CB

Sci

240-852

Oct 63

Magnetic Properties of a Layer of Adsorbed Atoms,
by E. L. Nagayev, 7 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 6,
1961, pp 847-853.

CB

Sci
S Np 62

210,451

On the Conduction Mechanism in Small-Mobility
Semiconductors, by Ye. L. Nagayev, 4 pp.
Vol III

RUSSIAN, per. Fiz Tverdogo Tela, No. 9, 1961, pp.
2567-2572

AIP
Sov Phys-Solid State
Vol III, No. 9

Sci

Mar 62

192, 449

Chemisorption of Atoms Involving Conductivity
Electrons, by E. L. Nagayev, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 10,
1961, pp 2376-2382.

Cleaver-Hume Press

Sci
Sep 62

210,548

Antiferromagnetic Semiconductors with Small
Mobility.

By E. L. Nagayev, 7 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 2
1962, pp. 413-423

Amer Inst of Phys
Sov Phys - Solid
Vol IV, No 2

Sci

Jun 63

342.576

63-10856

Nagaev, E. L.
MAGNETIC PROPERTIES OF THE ADSORBED ATOM
LAYER [Magnitnoe Svoistva Sloya Adsorbirovannykh
Atomov]. [1962] 12p. 12 refs.
Order from OTS or SLA \$1.60 63-10856

Trans. of Kinetika i Kataliz (USSR) 1961, v. 2, no. 6,
p. 847-853.
Another trans. is available in French from OTS or
SLA \$2.60 as 62-33748, CEA-tr-R1637, 27 Apr 62
[21]p. (Russian text included).

DESCRIPTORS: *Catalysts, Atoms, Adsorption,
*Magnetic properties, Paramagnetic resonance.

For abstract see Technical Translations 9: 798, 1963.

(Chemistry--Physical, TT, v. 10, no. 3)

I. Nagaev, E. L.

Office of Technical Services

Chemisorption on Incompletely Polar Crystals,
by E. L. Nagayev, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 2,
1961, pp 327-335.

Cleaver-Hume Press

Sci

Jan 62

181, 016

More Exact Statements of Limit Theorems for
Homogeneous Markov Chains, by S. V. Nagayev,

RUSSIAN, per, Teoriya ~~V~~ Veroyatnostey i yeye
~~Primeneniya~~ Primeneniya, Vol VI, No 1, 1961.

SIAM

Sci

Aug 62

206,624

On the Conductivity of Crystals in the Case of
Strong Electron-Phonon Interaction (Polaron of
Small Radius)
By Ye. L. Magaev pp 7

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 8
1962, pp 2201-2211

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 8

Sci

Jun 63

341, 034

Spontaneous Benign Tumors in Chickens, by Fukuro Oshima,
Takeo Kagaya, 7 pp.

Full translation.

JAPANESE, per, Gann (The Japanese Journal of Cancer
Research), Vol XLI, No 2-3-4, X Dec 1950, pp 150-152,

CIA/YDD/X-924

Scientific - Medicine Jul 53 CTS/DEX

3529

Nagel, A.
ON THE OCCURRENCE OF TRUE TORSIONS OF
THE EYE ABOUT THE VISUAL LINE (Über das
Vorkommen von Wahren Rollungen des Auges um die
Gesichtslinie). [1961] [20p] Bros.
Order from SLA \$1.60

TT-61-14348

Trans. of [Albrecht von] Graefe's Arch[iv für Ophthal-
mologie](Germany) 1966, v. 16, no. 2, p. 228-246.

(Biological Sciences--Physiology, TT, v. 12, no. 2)

TT-61-14348

I. Nagel, A.

85205

Office of Technical Serv.

(SF-1879)

Creative Discussion on the Problem of the Improvement
of Chemical Fibers Used in the Rubber Industry, by
P. I. Yashunskaya, V. A. Berestnev, I. P. Nagdasov.
6 pp.

RUSSIAN, per, Kautchuk i Rezina, No 5, 1961, pp 54-55.

JPRS 4888

516
166, ~~251~~

Sci - Chem

Sep 61

Measuring the Fatigue Life of Cord Under Repeated
Elongations on a VDR-I Apparatus, by Z. M. Kozyreva,
I. P. Nagdasova, E. Ya. Yaminskaya, 4 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol XIX, No 6,
1960, pp 30-33.

RAPRA

Sci

Mar 61

141,540

ROLE AND TASKS OF THE MAIN DIRECTORATE OF
THE HO, BY EGON NAGEL, 10 PP.

GERMAN, PER, DER HANDEL, VOL XII, NO 9,
1962, PP 388-390.

JPRS 17108

EEUR - GERMANY

ECON \

JAN 63

219,593

Acetylene Content of the Linde Installation in the
Scholven Hydrogenation Plant. (Discussion With Mr
Lonscheider, Engineer and Mr Nagel, Chemist, 1 p.

22 May 1942.

S.L.A. 8-57-349

Sci - Chemistry
JUN 57 CTS

48,996

Electrolysis in Liquid Ammonia: Reactive Forms of
Free Radicals, by S. Goldschmidt, F. Nagel.

GERMAN, per, Chemische Berichte, Vol 64B, 1931,
pp 1744-1755.

Dept of Navy APL/JHU T-2496

F. Nagel

April 71

Procedure for Treating Algae to Make Them Suitable
For Fodder or Food, by H. Landmark, F. W. Hagelt.

~~EXCERPT~~
NORWEGIAN, Norwegian Patent 55,103, 1935.

Nova Scotia No 191

Scientific - Biology

Aug 53 CDB

4609

HANS NAGEL

English Title Unknown, by Hans Nagel.

GERMAN, per, Eisenbahntechnische Rundschau, No 7, 1961,
pp 309-319.

*HTIS TT 72-55008

March 72

Lithium and Magnesium Methylenes, by K. Ziegler,
K. Nagel, M. Patthaiger, 3 p.

CHERMAN, per, Z Anorg Chemie, 1955, Vol CCXXXIII,
No 1-6, pp 345-351.

SLA 59-15940

Sci
Dec 59
Vol 2, No 6

104,114

Extravesical Ureteral Orifice, by
F. Zuckerman, M. Nagel. 45
GERMAN, per, Deutsch. Med. Woch., Vol 80,
1961, pp 2205-2207.

Dept of Navy/OSD/ASD 1161
9 5051

M. Nagel

Sci-858H
Doc 66

318,568

Nagel, Max and Klughardt, A.
ON THE MEASUREMENTS OF THE TWILIGHT PUPIL
OF THE EYE BY MEANS OF INFRARED PHOTOGRAPHY
(Über Messungen der Dämmerungspupille des
Auges Mittels Ultrarotphotographie). [1961] 10p 12refs.
Order from SLA \$1.10 TT-61-14346

Trans. of Zeitschrift f[ür] Phys[ik] (Germany) 1936,
v. 101, p. 373-377.

(Physics--Optics, TT, v. 12, no. 3)

TT-61-14346

I. Nagel, M.
II. Klughardt, A.

84887

Office of Technical Services